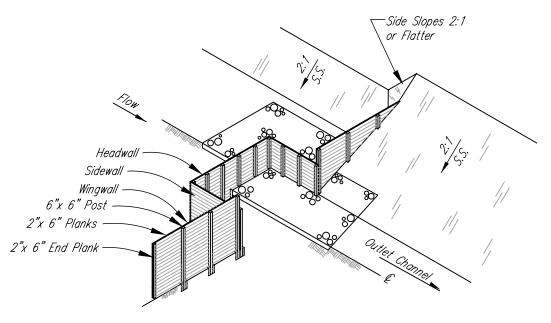


(Looking Upstream)

NOTES

- 1. Lumber shall be treated for in ground contact and meet the requirements of Construction Specification MI-174, Timber Fabrication and Installation.
- 2. The end planks are to provide a nailing surface for the wingwall ends. End planks are at the end of both wingwalls and are not set lower than the bottom of the wall.
- 3. Planks shall be nailed to posts with a minimum of two 20d galvanized nails at each intersection of post and plank.
- 4. To set posts, a trench may be substituted for the 1'-6" dia. post holes.
- 5. Geotextile shall be Non-woven, Class 1, (Const. Spec. MI-165).
- 6. Place non-woven geotextile against planks on earthfill side (upstream).
- 7. Tile lines shall outlet downstream of structure.
- 8. Grade fill line upstream of structure to fit site conditions. Slopes must be 2:1 or flatter.
- 9. Backfill shall be clean sand with less than 5% fines. MDOT 2NS fine aggregate meets this requirement.



ISOMETRIC

QUANTITIES

<u>LUMBER</u>		
6" x 6" x	-	 Eac
6" x 6" x	_	 Eac
2" x 6" x 12'	_	 Eac
2" x 6" x	_	 Eac
2" x 6" x	_	 Eac
2" x 6" x	_	 Eac

OTHER

<u> </u>		
20d Galvanized Nails (31 nails/lb.)		Lbs.
³ / ₈ " x 14" Bolts & Nuts Washers (2 x Bolts) (Galvanized or Stainless Steel))	Each Each
Non-woven Geotextile		Sq. Yds.
Sand & Gravel, Post Hole		Cu. Yds.
Clean Sand, Backfill (See Note 9)		Cu. Yds.
Rock Riprap		Cu. Yds.
Seeding and Mulch		Acre

NOT TO SCALE

STRUCTURAL DETAILS FOR WOOD BOX INLE DROP SPILLWAY (WITH ROCK RIPRAP)

co., Michigan
Township, T. -R. , Sec.

 \Box

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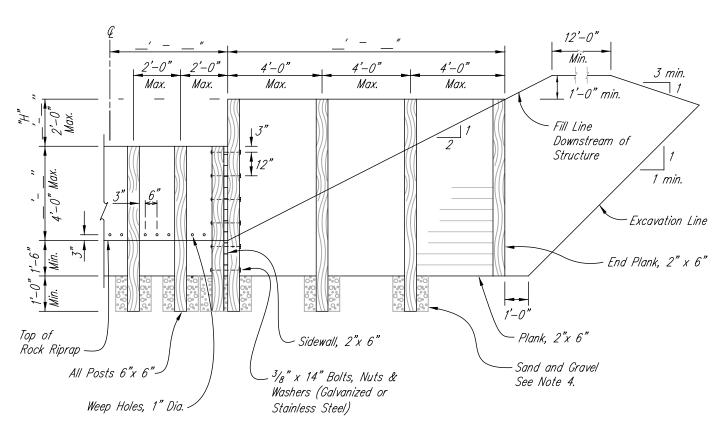
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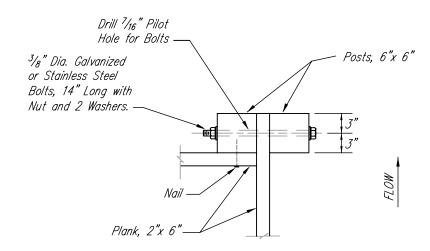
MICHIGAN ENGINEERING STANDARD DRAWING

FILE NAME MI-326-B 04-05.dwg
STANDARD DWG. NO. MI-326-B

DATE 04-05

HEET 1 OF 2

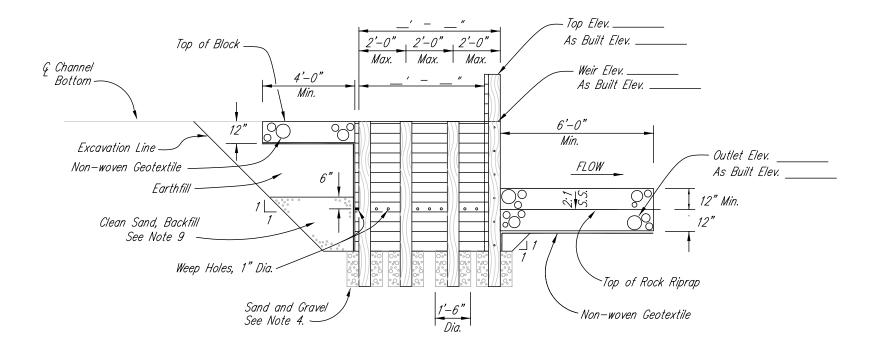




DETAIL OF BOLT INSTALLATION

FRONT VIEW

(Looking Upstream)



CENTERLINE CROSS SECTION

MICHIGAN ENGINEERING STANDARD DRAWING FILE NAME MI-326-B 04-05.dwg STANDARD DWG. NO. MI-326-B

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ROCK

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RAL DETAILS SPILLWAY (W

DROP

BOX INLE RIPRAP)

Co., Michigan -R. , Sec.

Township,